Home Address:

8101 NE 113th ST

Kirkland, WA 98034

Telephone: (425) 823-3323

Cell:

(206) 510-6536

Part Time Address

3011 Lieper Loop Lane

Lincoln, California Cell (206) 510-6536

Education:

Michigan Technological University

1964 B.S. Civil Engineer

Continuing Education:

• Numerous seminars on 'Damage and Claim preparation', 'Scheduling and CPM'

- Business Management for Contractors, University of Washington
- University of Washington School of Business-Accounting
- Bellevue Community College- Business Statistics
- Educational Seminars on Construction Management/Design Build/Public and Private Partnerships
- DRB Training State of California (2015)
- DRB Training WSDOT State of Washington (2015)
- CMMA Training 2015

Professional Memberships:

Professional Engineers Association, American Arbitration
 Association, APWA Construction Committee, Underground Contractors Chairperson for
 Specifications Committee, Professional Engineer in the State of Washington, and a
 Member of the American Consulting Engineers Society

Manuals Authored:

- Construction Estimating and Bidding Manual for Minority Businesses State of Washington
- Minority and Disadvantage Business Construction Management Manual 'State of Washington
- INCA Engineer's QA/QC Manual Company wide use-California-Arizona-Washington
- Construction Estimating for Quadrant Corporation "How bids are developed"
- What Contractors Want from their Lawyers
- Who's Going to Pay Today? Project Documentation Manual for Contractors

- The Difference Between Public and Private Construction
- Articles for UCAW News Yearly, 2006-2011
- Scheduling and Dispute Avoidance, University of Washington CM Department
- Developed the National Utility Association " Mock Bid Format"
- Selected as the "National Award Winner" for the development of the Mock Bid Program

Seminars and Presentations:

- Construction scheduling Construction Management and Estimating for Quadrant and Weyerhaeuser Companies
- Partnering sessions to the Cities of Bellevue, Tukwila, Woodinville, and Redmond
- National Seminar to the Underground Contractors Association on "Contractor's Point of View" Design to Construction.
- Construction seminars for Construction Class at the University of Washington Civil Engineering Department. (2006, 2009)
- Professional Programs) EPP-Transportation Partnership in Engineering Education Development. (TRANSPEED)
- University of Washington CM Department (Infrastructure Management and Construction Project Development)
- How to Bid Private and Public Construction Projects Contractor Companies
- Presented Seminar on Locating Balls for Utility Legislative Presentation in Olympia, WA
- APWA's State Conference Construction Committee "The Mystique of Contractor Bidding"
- Developed presentation packages for contractors competing for private contracts on Design/Build projects. — Guided Contractors on Proper Methods for Oral Presentation on Design/Build Projects
- Prepared and Presented Seminar on Documentation and Notice provisions to Contractors.
- Panelist for APWA on the use of DRB Panels for Cities, Counties in the State of Washington.
- Panelist for Contractors Point of View "Managing Change Orders" Contractors, Designers, and Construction Public Works professionals
- Estimating, Bidding, Construction Scheduling, Plan reading, How to do work with WSDOT and Construction Management Seminars to DBE Community in Eastern and Western Washington – Seminar to WSDOT DBE/MBE/WBE Community
- Presented Seminar on Contractor's Field Operations and General Field Management
 Operations Seminar presented to Field Superintendents, Field Managers and Foreman
 of Contractors
- Panel APWA Spring Convention "Bidder Criteria"

- Member of Task Force on rewrite of "One Call Dig Law"
- APWA Speaker May 2012 Contractors Position on Change Order Negotiations (State Auditor, Construction Manager Port of Olympia –other panelist)
- Presented Seminar on Contractor's Position on Change Orders (Presentation in May 2012 Speakers Port of Olympia, Washington State Auditor)
- Trainer for Contractors on Dig-Safe 2013 State of Washington Law on One-Call
- Presented Seminar to DBE contractors on "Bidding and Estimating"
- APWA 2015 Spring Convention Speaker (Agency/Consultant/Contractor Summit)

Organizations and Affiliations:

- Trustee for the Associated General Contractors (AGC)
- Chaired the Education Committee for AGC
- Governmental Affairs Committee for AGC
- APWA Construction Committee State Chapter
- Labor Negotiation Team Operators, Laborers
- Member of AGC, ACEC
- WCIC (Washington Contractors Industry Council)
- Advisory Board University of Washington Construction Management School..
- Panel Member Utility Relocation Model Pierce County "A Better Way"
- Executive Director of NUCA of Washington 2006-2011
- Executive Board Washington Construction Industry Council (WCIC)
- Board of Directors (Associate Director) National Utilities Contractors Association of Washington
- Honorary Life Time Member NUCA of Washington
- Dig Safe Committee National Contractors Association of Washington
- Dig Safe Certified Instructor

MM CONSTRUCTION CONSULTING LLC 2015-PRESENT-General

- Construction Consultant for The Belarde Company on the MLK Transit Link (Submittals, Negotiations for Added Work, Subcontract Development, and General Contract Oversight)
- Operations Manager Belarde Company (Overall Management of the Belarde Company's private and public work projects).
- Provided Construction Management and bid development for contractors on many public and private work.
- VE Team for City of Shoreline Project from 165th St. to 185TH St. Aurora Ave.
- Constructability Review for City of Shoreline
- VE Team for City of Tacoma-Tyler Avenue.

- · Worked as a Consultant for Hos Brothers Construction-City of Sammamish Project
- Managed Hos Brothers Estimate for SR9 Project Twenty six million dollar estimate
- VE Study City of Bothell.
- Panel Member "Bidder Criteria and Bidder Qualifications" April 7th APWA Spring Conference—Tacoma, Washington.
- Member of Panel for "Utility Career Presentations "University of Washington Civil/Construction Management/Architectural Schools
- Consultant- Design Build SR 405 TRI-STATE CONSTRUCTION COMPANY
- Consultant-VE King County Roads Novelty Hill Road
- Managed Construction Division at INCA ENGINEERS (Transportation and Structural Design Firm (1990 to 1998)
- Construction Consulting for WSDOT DBE Support Services (Providing CM services for DBE community on Federal financed projects) 1990 to 1998 and 2011 to Present
- Provided QA/QC for Designers on all their Public and Private Designs while at INCA Engineers

Dispute Resolution Support - Legal (MM Construction Consulting LLC)

- Consultant-Golf Course Design State of Oregon
- Expert Witness testimony for Callen Construction Company on Wrongful Termination Arbitration Case in Bellingham Washington. Analyzed Damage Calculations for Callen Construction and also Analyzed Countersuit by Owner
- Expert Witness on "One-Call" Case for City of Seattle
- Expert Witness Safety Issue for Standard of Care Safety Methods
- Worked as Expert Witness for TRI-STATE CONSTRUCTION
- Expert Witness for SCI vs. City of Renton
- Expert Witness for Precision Earthwork, Inc.)
- Expert Witness for King County on Kingdome Roof and Management Practices of King County
- Expert Witness for The Belarde Company
- Expert Witness for various contractors and Public Agencies for Corke/Amento
- Expert Witness for Northwest Construction Company
- Consultant for Quigg Brothers Construction
- Consultant Construction contractor GCE of Tacoma
- Consultant for WM Dickson Construction Co.
- Expert Witness for Travelers Insurance Cases2 (Mediations)
- Expert Witness Glacier Environmental (Mediation) and Dispute Resolution analysis
- DRB Interwest Construction Inc./Snohomish County (10,000,000million) Roadway Improvement
- DRB training for contractors preparing for hearings with Public Agencies

o Tri State Construction Company of Bellevue, WA 2000-2005

- Construction Manager/Chief Estimator/Negotiator/Vice President for 250million dollars of Private Development infrastructure work/Many projects design build (Design/Bid/Build.
- Clients- King County/City of Redmond/Quadrant Corporation/Shea Homes/City of Woodinville/City of Duvall/Lake Washington School District
- o Clients-Sabey Construction/ Murray Franklyn
- Designers KPFF/David Evans and Associates/ACEC

o Projects (Redmond Ridge and The Trilogy) 2100 acres of land development

- o City Streets construction (Earthwork/Grading/Surfacing/Paving)
- o Participate in construction of 32 off-site road projects
- o Equestrian Park construction
- o 6-acre park intended for Little League use
- 10-acre King County park for baseball and soccer fields
- Fire and police station
- o Two Lake Washington elementary school sites (RR and RRE)
- o 40-acre Youth Soccer Complex
- o Public park-and-rides for transit
- Regional trail system, both soft and hard surface
- Water Lines (8"-48") Clow fittings and Push on Tyton Joint-Line diagrams
- o Storm lines (4"-48")
- O Sewer Lines (4"-12") 12ft deep to 36ft deep/Side Sewer (Ductile Iron)
- Pump Stations
- Water Fall Landscaping
- O Sewer Connections to Homes (4"to 6")
- Sewer Casing and Sewer Installation(Grouting and sliders)
- Curbs/gutters Sidewalks
- Golf Course Design/Clearing/Grading/Fine Grading/Sanding/Drainage/Open
- Sediment Pond design and construction
- Public stormwater detention facilities.
- Settlement Ponds
- Dyke construction
- Dam Embankment Construction
- o Lot grading and shaping
- Wetland Analysis and Construction
- o Concrete/Gravity Walls all Types
- o Earthwork Borrow Site replace with Waste from Project (500,000cy)

- o Dry Utilities and Vault Placement-(25,000ft of Dry Utilities)
- o Bid Transit Project of 125million Martin Luther King Way (735)

Fiorito Brothers Construction Company 1978-1990

- (Estimated, bid and managed over three hundred million dollars in public works projects while at Fiorito Brothers)
- Engineering Manager/Chief Estimator/Engineering Operational Manager/Financial Counselor
- Clients- King County/WSDOT all Regions/Snohomish County/City of Tukwila/City of Redmond/Kitsap County/Thurston County/City of Woodinville/City of Kent, Bothell, Tacoma, Shoreline, Seattle, Everett and many more.

Projects (Countless Public Projects)

- City Streets construction (Earthwork/Grading/Surfacing/Paving)
- Storm lines (4"-48")
- o Water Lines (8"-12")
- o Concrete Paving (Interstate 12")Western and Eastern Washington
- o Concrete Paving (Airport 24") Sea-Tac International Airport
- o Earthwork (Large Projects-100,000 to 350,000cy)
- o Earthwork (Small Project-5,000 to 50,000cy)
- o Interstate Construction (Grading/Surfacing/Paving)
- Earthwork Borrow Site, Waste Sites Management
- o Managed Fleet of 50 trucks (Solo and Truck and Trailers)
- Managed Directional Bores (12" to 36")
- o Managed Receiving Pits/Lunching Pits (Excavation and Preparation)
- o Supervised Curbs/Gutters /Sidewalk installation
- o Managed Subcontractors-(Concrete/Gravity Walls all Types)
- o Managed Landscapers/Pavers/Concrete and Gravity Walls
- Managed Countless Subcontractors
- o Prepared Schedules and Updates for countless projects
- Worked with Bonding and Banking personal for Fiorito Brothers
- Negotiated contract changes (credits and additional costs)
- Submitted contract revisions to Owner
- Prepared waste site/borrow sites/Quarry site reclamation plans for approval of governing jurisdictions
- o Submitted pay quantities estimates to Owners for monthly payments
- Prepared/ Managed and submitted the request for equitable adjustment to Owner.
- Performed surveys of borrow/quarry/waste/ sites for quantity calculations and submittal for payments to Owner.

- Construction Manager/Associate INCA Engineer 1990-1998
- Provided Inspection, Construction Reviews, Budget preparation, Schedule for project duration and general support for equitable adjustments for cities and public agencies of:

Bellingham

Тасота

Burlington

Tukwila

Corp of Engineers - Various Projects University of Washington

Federal Way

Woodinville

Redmond

WSDOT - (Various Projects

Sacramento railway project for MUD

Shoreline

- Managed Constructability Reviews for WSDOT while at Inca Engineers. The projects were:
 - o S Curves I-405
 - o SR2 in Everett, Washington
 - o Floating Bridge I-90
 - o Broadway Interchange I-5

The above scopes of these projects consisted of reviews of Special Provisions, Working Day Schedules, Phasing Plans, Traffic Coordination Plans, Incentive Proposals, and Preparing Presentations on above projects for use by WSDOT prior to Projects being advertised for construction

o Managed design projects for INCA Engineers

- City of Burlington roadway widening
- Newport Hills widening (City of Bellevue)
- City of Lynnwood (Paving overlay)
- O City of Federal Way (Street Widening)
- City of Woodinville (Concrete retaining with tiebacks)
- City of Tukwila (Roadway Widening and Bridge Construction)
- O City of Tukwila (Bridge Painting)
- City of Renton (Bridge Construction)
- o WSDOT 1964 to 1978
- Civil Engineer/Construction Manager/Resident Engineer

- o Survey Party Chief (SR-520 Bridge and Ramps)
- Chief Drainage Inspector (I-5 144th to Ryan)
- o Chief of Survey Parties (Woodinville to I-5)
- o Design Engineer for Utilities/Drainage (I-90 North Bend By-Pass)
- o Grading and Drainage Engineer I-405 Kirkland to Woodinville)
- o Bridge Engineer Inspector (I-405-160th Street)
- o Office Engineer (Woodinville Interchange I-405)
- Assistant Resident Engineer (Design and Construction)
 - City of Tukwila
 - City of Renton
 - City of Kent
 - I-90 North Bend Washington-By Pass
 - Concrete Paving
 - Bridges
 - Drainage
 - Concrete Retaining Walls
 - River Relocation
 - Borrow/Waste Sites
 - Earthwork (4,500,000cy)
 - Dry Utilities (5miles of design and construction)
 - Grading and Surfacing
 - Curbs/Gutters/Sidewalk
 - Major Park Development to wilderness area
 - Bothell Way Design/Widening
 - City of Shoreline
- Project/Resident Engineer (Design and Construction)
 - North Bend By-Pass
 - o Concrete Paving
 - Grading/Surfacing
 - Asphalt Paving
 - o Traffic Control/Permanent
 - Striping
 - o Bridge Construction
 - o Retaining Wall (Concrete/Rock)
 - o Railway Intersections
 - o Fire Training Facility
 - o Bridge Demolition
 - Bridge Deck (Light Weight Concrete Design and Implementation

References available on request